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PATENT

Customer No. 22,852

Attorney Docket No. 06720.0065

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Chun Chian LU ) Group Art Unit: 2631  
Application No.: 09/902,695 ) Examiner: Unknown  
Filed: July 12, 2001 )  
For: PERTURBATION APPARATUS ) RECEIVED  
AND METHOD FOR USER )  
DETECTION IN A MULTIPLE- ) MAY 06 2003  
ACCESS COMMUNICATION )  
SYSTEM ) Technology Center 2600

Commissioner for Patents  
Washington, DC 20231

Sir:

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

**UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached PTO 1449. This Supplemental Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

Copies of the listed documents are attached. Applicant respectfully requests that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
[www.finnegan.com](http://www.finnegan.com)

documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicant determines that the cited documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

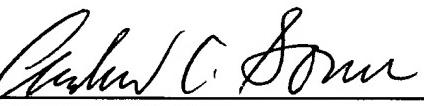
Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: May 5, 2003

By:   
Andrew C. Sonu

Reg. No. 33,457

Enclosures

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
[www.finnegan.com](http://www.finnegan.com)



## INFORMATION DISCLOSURE CITATION

Atty. Docket No.	06720-0005	Appn. No.	09/902,695
Applicant	Chun Chian LU		
Filing Date	July 12, 2001	Group:	2631

## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate

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## FOREIGN PATENT DOCUMENTS

	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	A. J. Viterbi, "Very Low Rate Convolutional Codes for Maximum Theoretical Performance of Spread-Spectrum Multiple-Access Channels," IEEE Journal on Selected Areas in Communications, vol. 8, no. 4, pp. 641-649, May 1990.
	S. Moshavi, "Multi-User Detection for DS-CDMA Communications," IEEE Communications Magazine, vol. 34, no. 10, pp 124-136, October 1996.

Examiner	Date Considered
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.